OIPE IAP93 JUN 05 2007 PATENT & TRADEMARK OFFICE

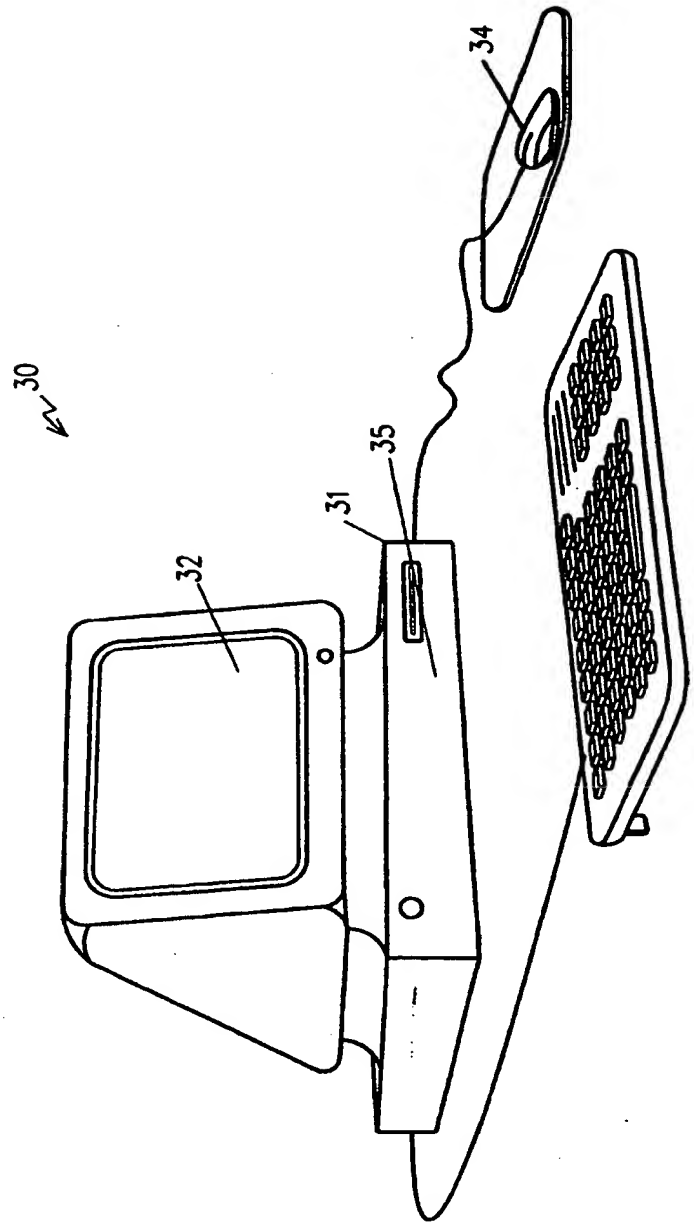

FIG. 1

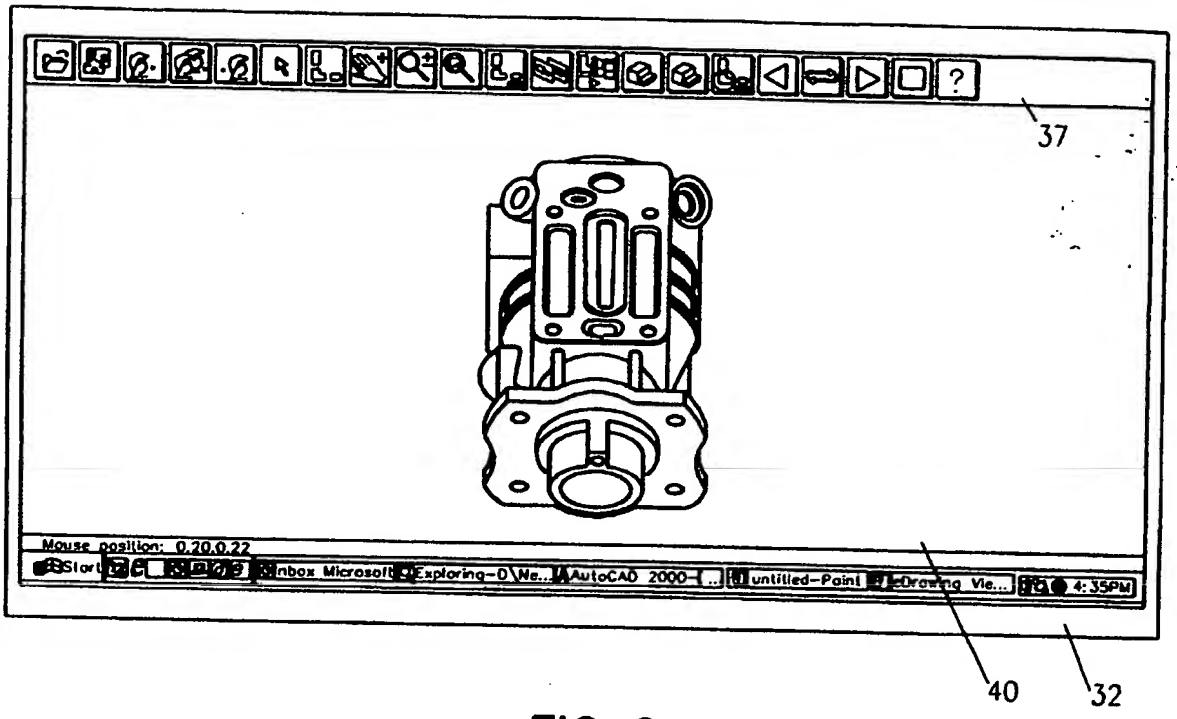
37
Mouse position: 0.20,0.22
Inbox Microsoft
Exploring-D:\Ne...
AutoCAD 2000-[...
untitled-Paint
Drawing Vie...
4:35PM
40
32

FIG. 2

3/29

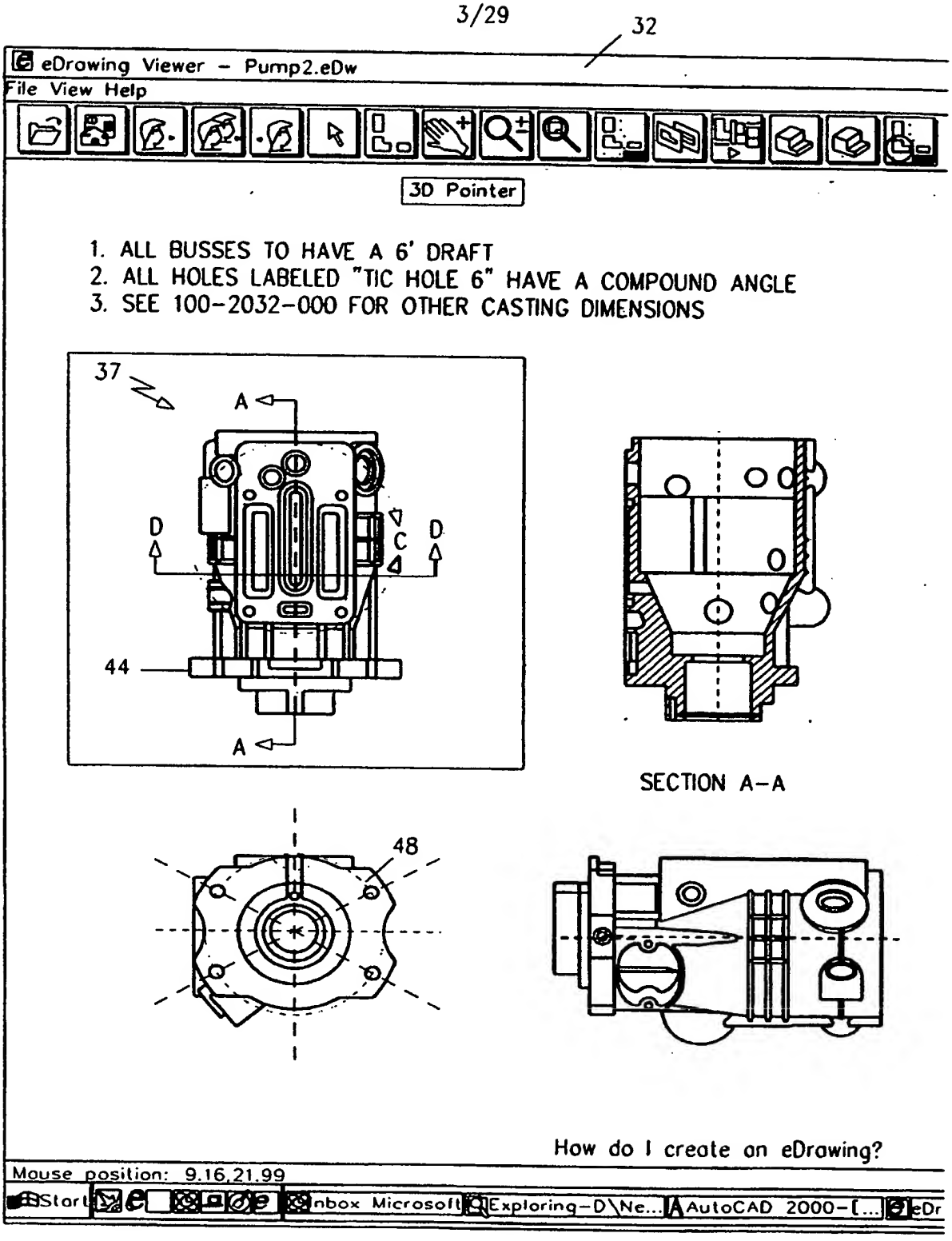
32
eDrawing Viewer - Pump2.eDw
File View Help
3D Pointer
1. ALL BUSSES TO HAVE A 6' DRAFT
2. ALL HOLES LABELED "TIC HOLE 6" HAVE A COMPOUND ANGLE
3. SEE 100-2032-000 FOR OTHER CASTING DIMENSIONS
37
A
D
C
D
44
A
SECTION A-A
48
How do I create an eDrawing?
Mouse position: 9.16,21.99
Start
Inbox Microsoft
Exploring-D:\Ne...
AutoCAD 2000-[...
eDr

FIG. 3

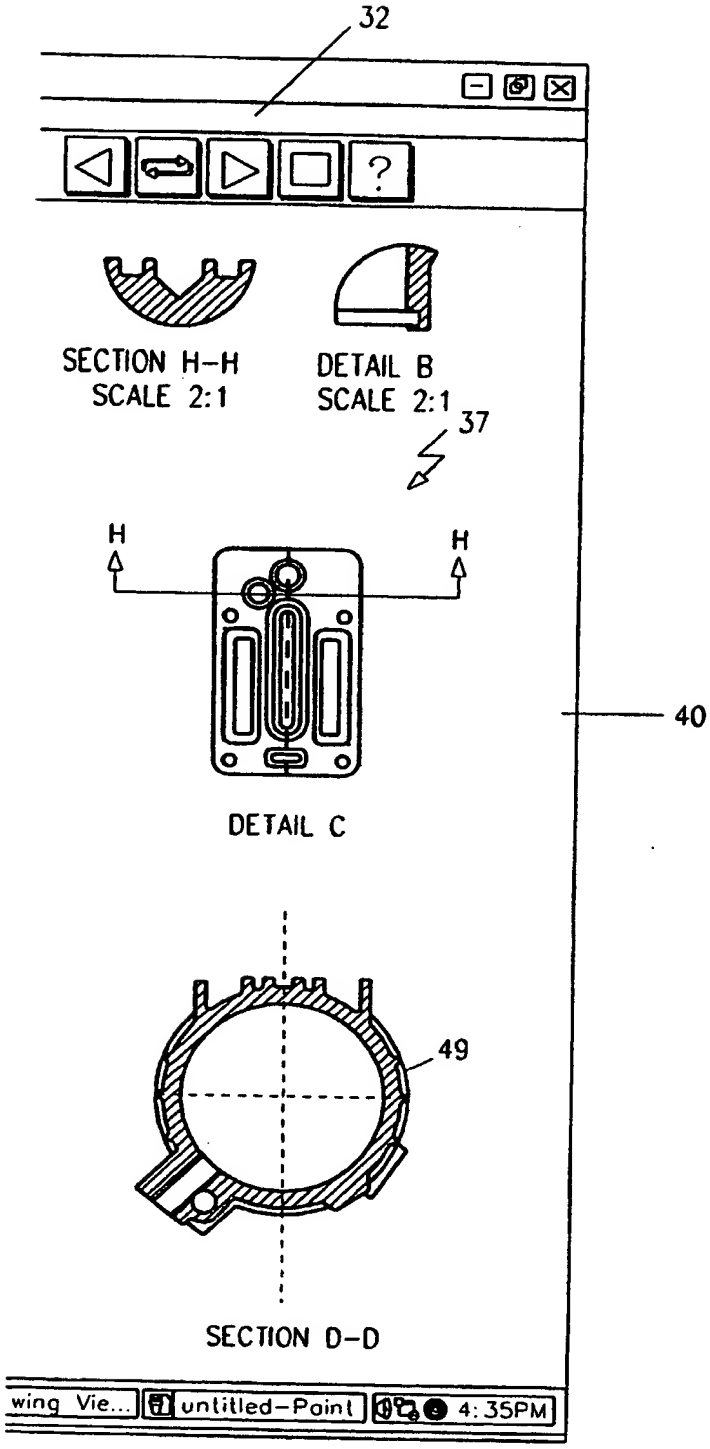
32
SECTION H-H
SCALE 2:1
DETAIL B
SCALE 2:1
37
H
H
40
DETAIL C
49
SECTION D-D
wing Vie...
untitled-Paint
4:35PM

FIG. 4

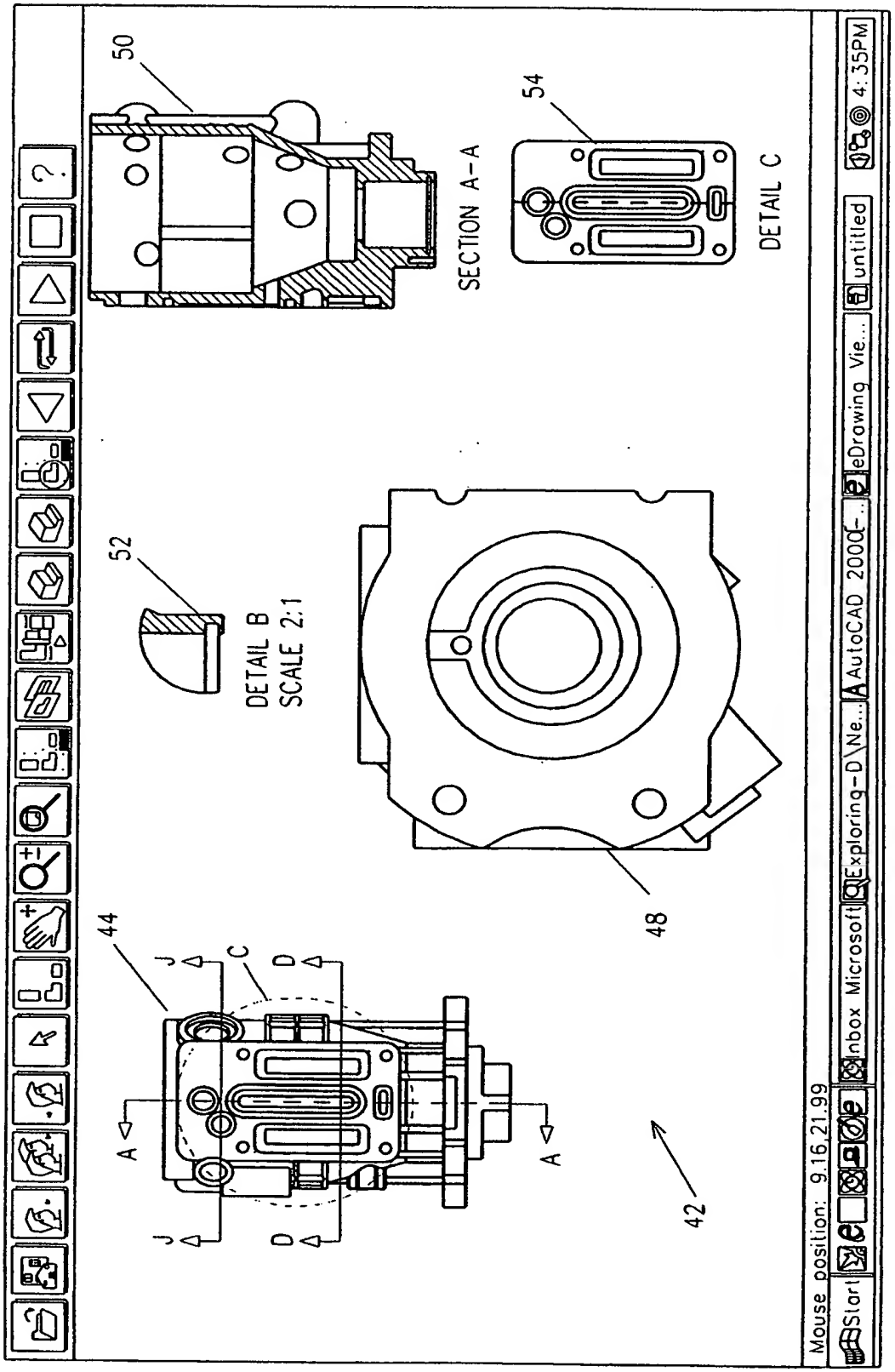
50
SECTION A-A
54
DETAIL C
52
DETAIL B
SCALE 2:1
48
44
J
C
D
A
A
J
D
42
Mouse position: 9.16,21.99
Start
Inbox Microsoft
Exploring-D:\Ne...
AutoCAD 2000
eDrawing Vie...
untitled
4:35PM

FIG. 5

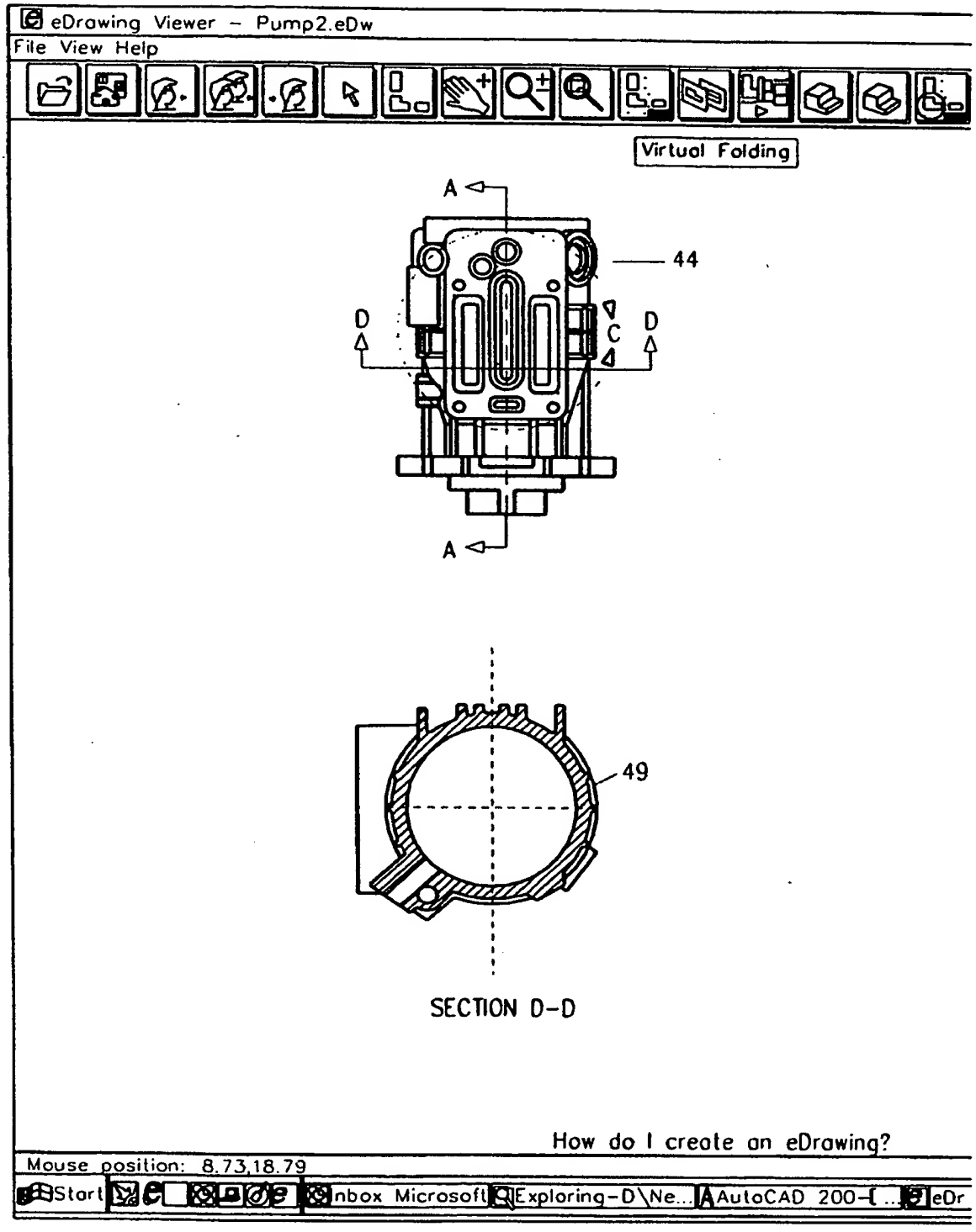
eDrawing Viewer - Pump2.eDw
File View Help
Virtual Folding
A
44
D
C
D
A
49
SECTION D-D
How do I create an eDrawing?
Mouse position: 8.73,18.79
Start
nbox Microsoft
Exploring-D:\Ne...
AutoCAD 200-[...
eDr

FIG. 6

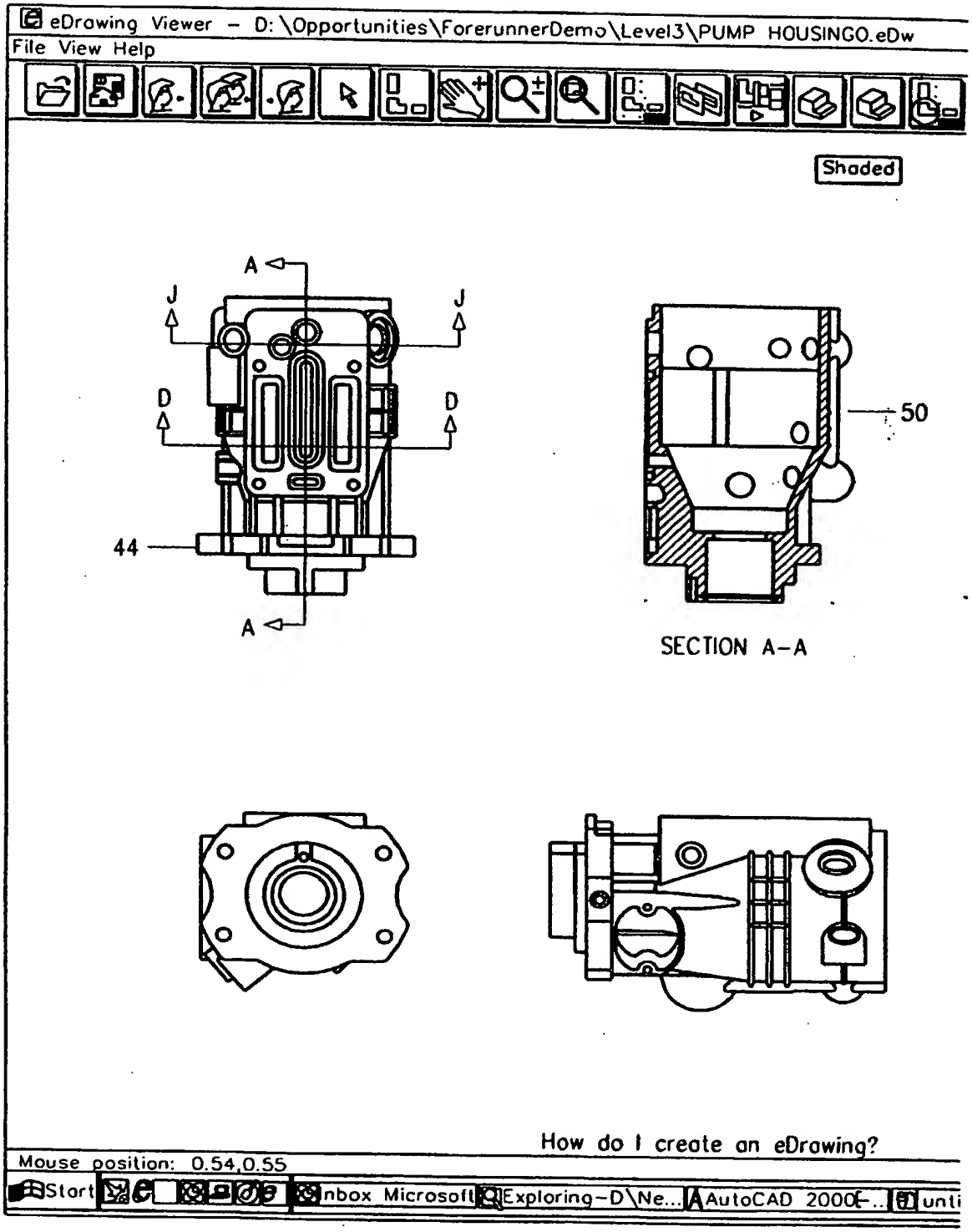
eDrawing Viewer - D:\Opportunities\ForerunnerDemo\Level3\PUMP HOUSINGO.eDw
File View Help
Shaded
A
J
J
D
D
44
A
50
SECTION A-A
How do I create an eDrawing?
Mouse position: 0.54,0.55
Start
Inbox Microsoft
Exploring-D:\Ne...
AutoCAD 2000

FIG. 7

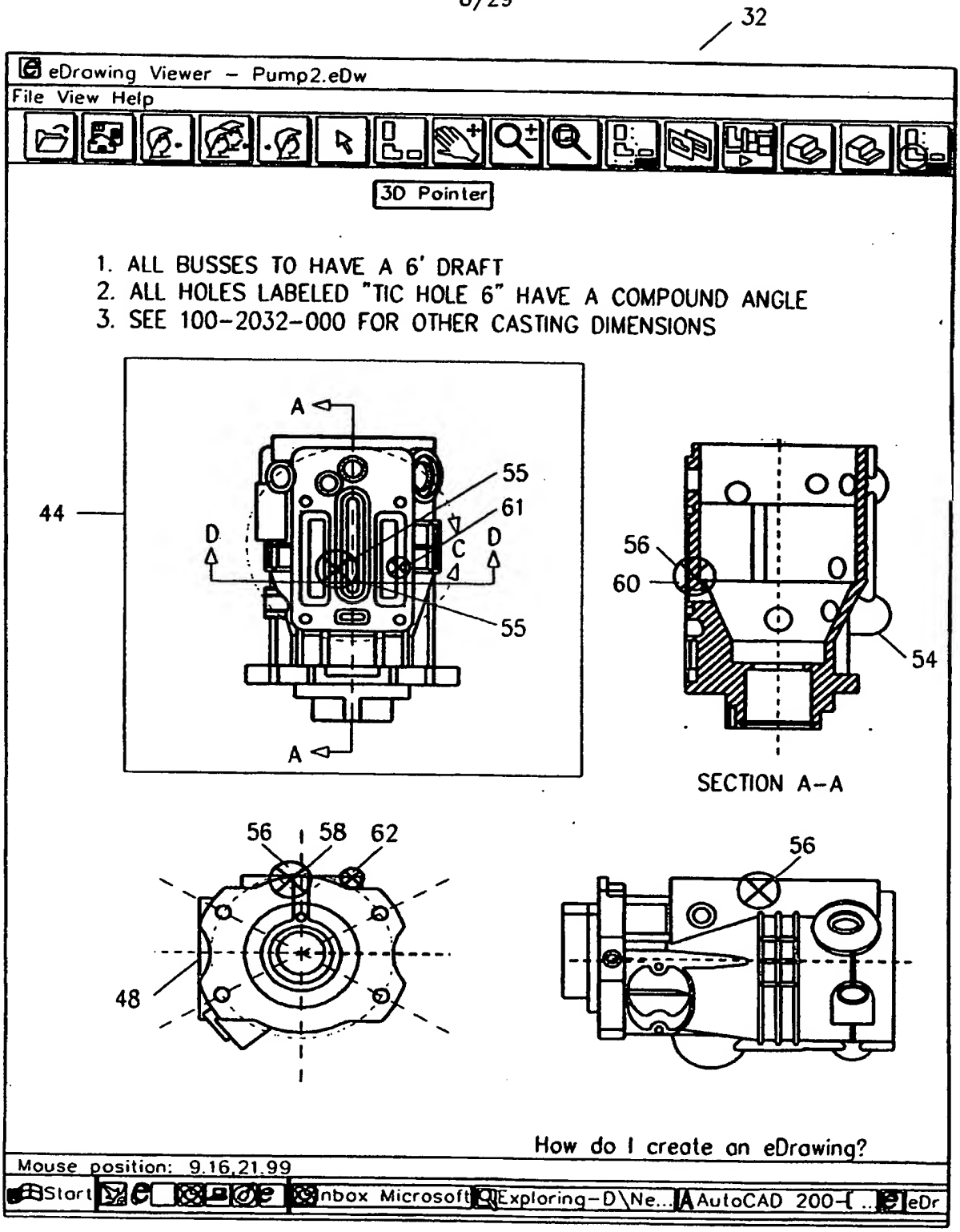
32
eDrawing Viewer – Pump2.eDw
File View Help
3D Pointer
1. ALL BUSSES TO HAVE A 6' DRAFT
2. ALL HOLES LABELED "TIC HOLE 6" HAVE A COMPOUND ANGLE
3. SEE 100-2032-000 FOR OTHER CASTING DIMENSIONS
44
A
55
61
D
C
D
55
A
56
60
54
SECTION A-A
56
58
62
48
56
How do I create an eDrawing?
Mouse position: 9.16,21.99
Start
Inbox Microsoft
Exploring-D:\Ne...
AutoCAD 200-[..
eDr

FIG. 8

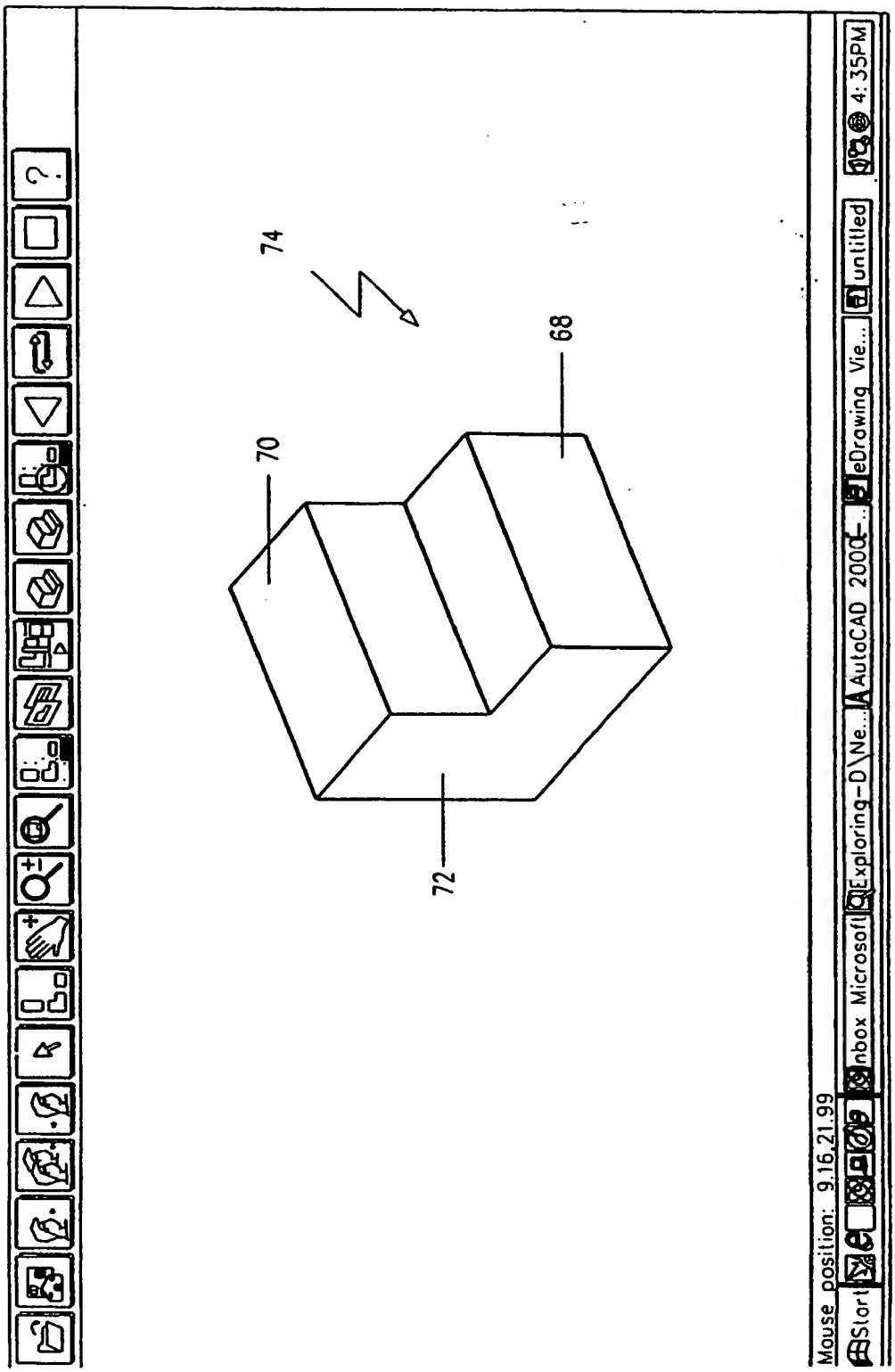
74
68
70
72
Mouse position: 9.16,21.99
Start
Inbox Microsoft
Exploring-D:\Ne...
AutoCAD 2000
eDrawing Vie...
untitled
4:35PM

FIG. 9

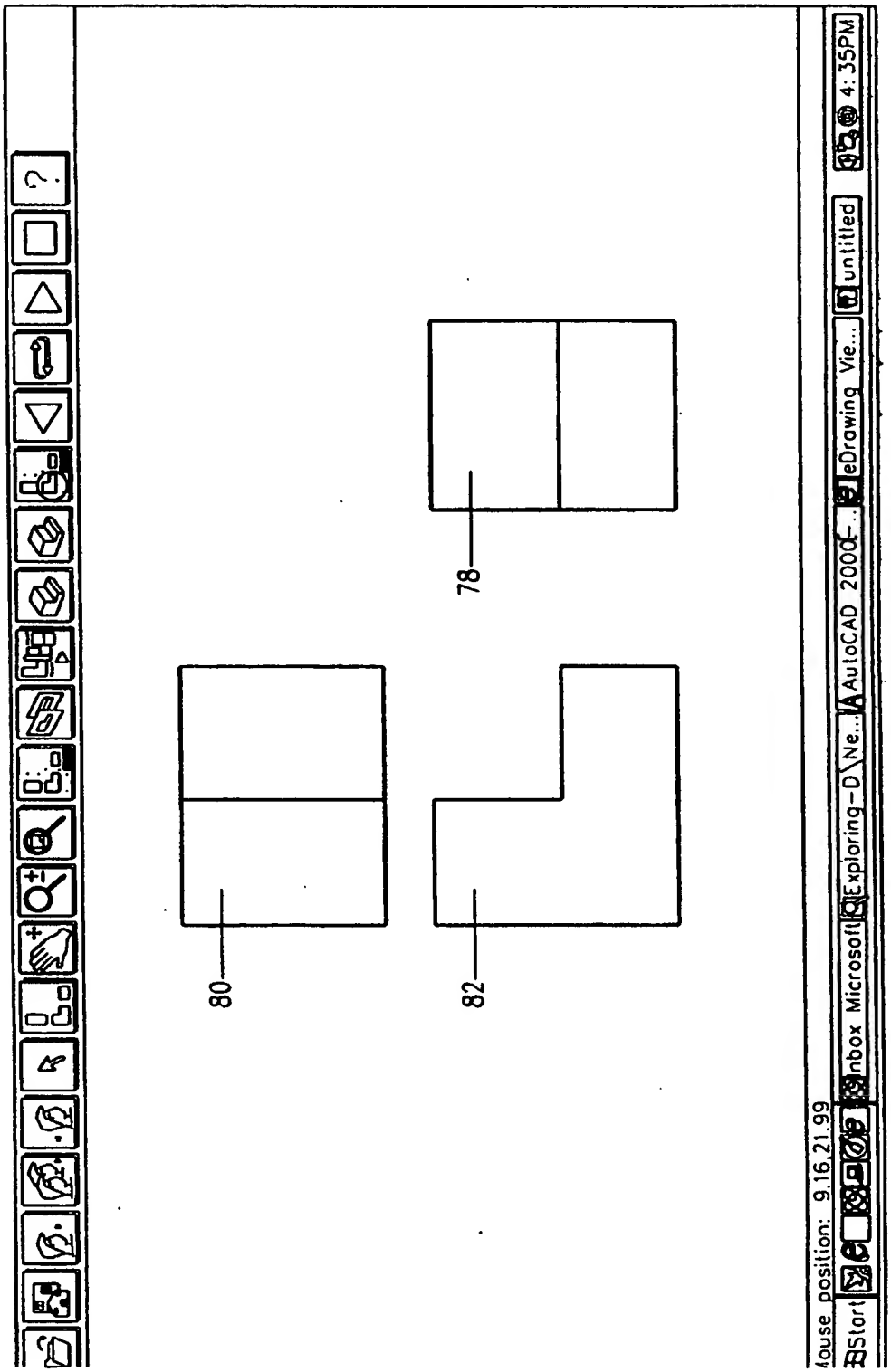
78
80
82
Mouse position: 9.16,21.99
Start
Inbox Microsoft
Exploring-D:\Ne...
AutoCAD 2000
eDrawing Vie...
untitled
4:35PM

FIG. 10

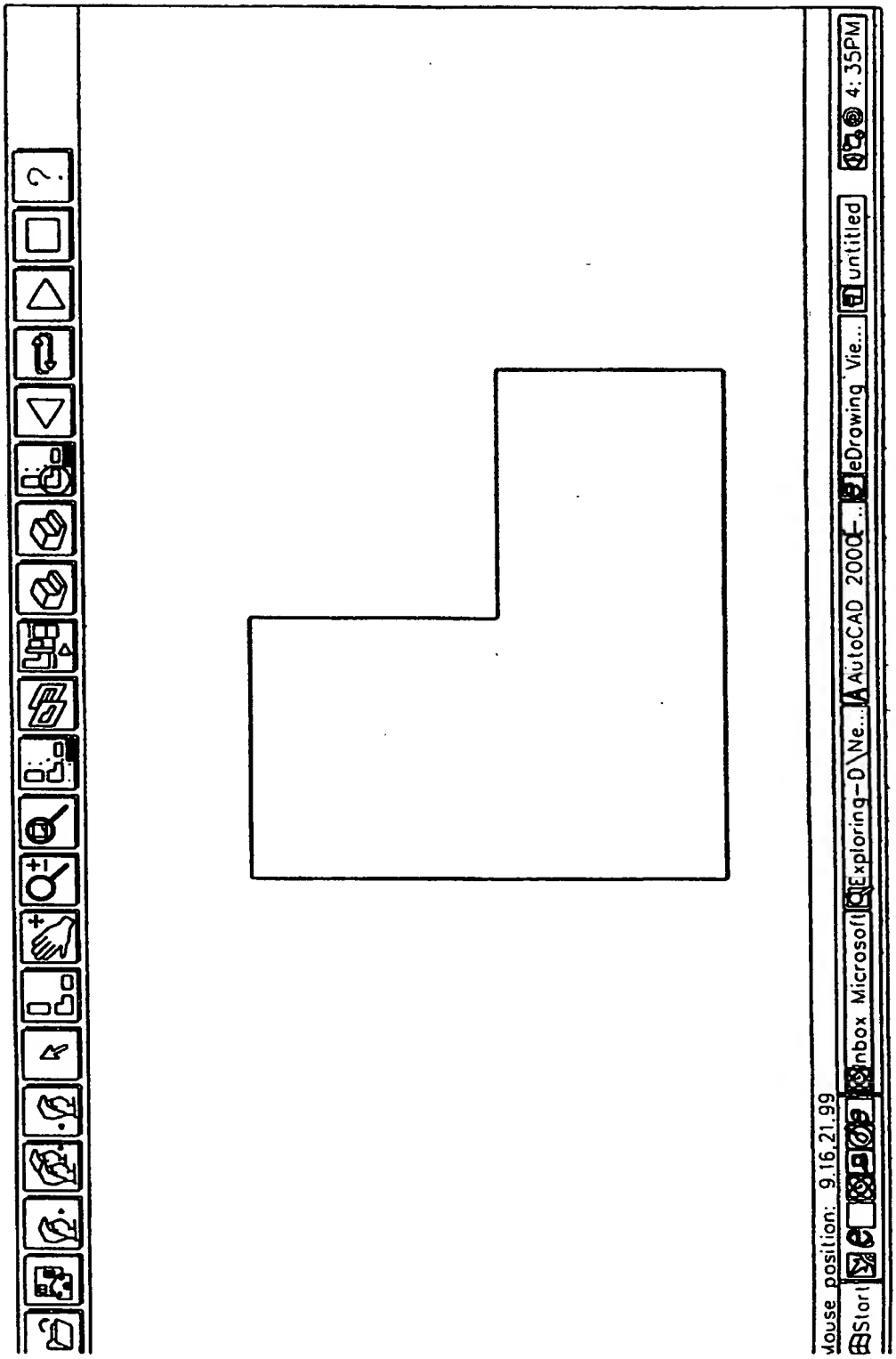
Mouse position: 9.16,21.99
Start
Inbox Microsoft
Exploring-D:\Ne...
AutoCAD 2000
eDrawing Vie...
untitled
4:35PM

FIG. 11

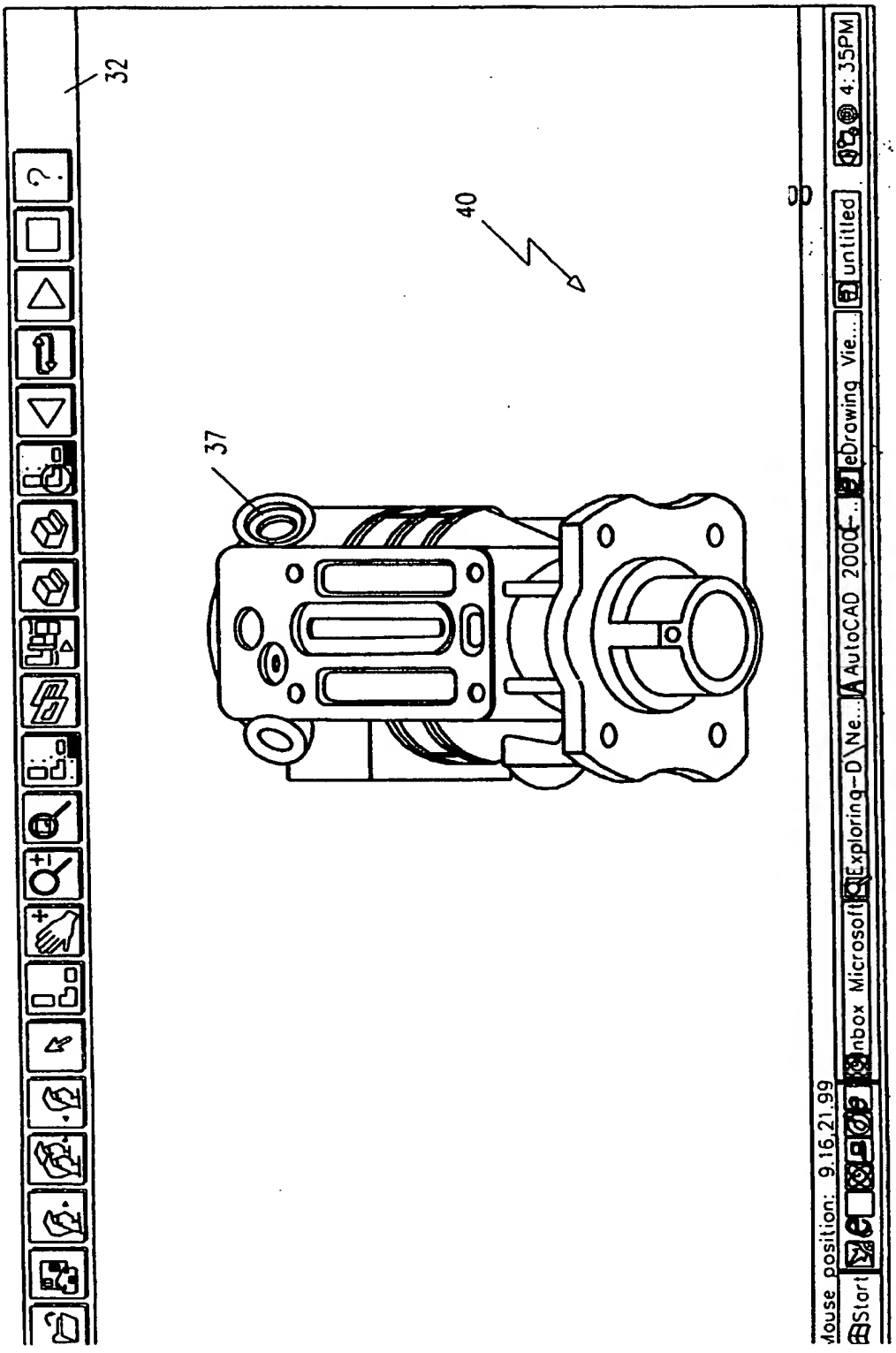
32
40
37
untitled
AutoCAD 2000
eDrowing Vie...
Exploring-D:\Ne...
Microsoft
nbox
Start
4:35PM
9.16.21.99

FIG. 12

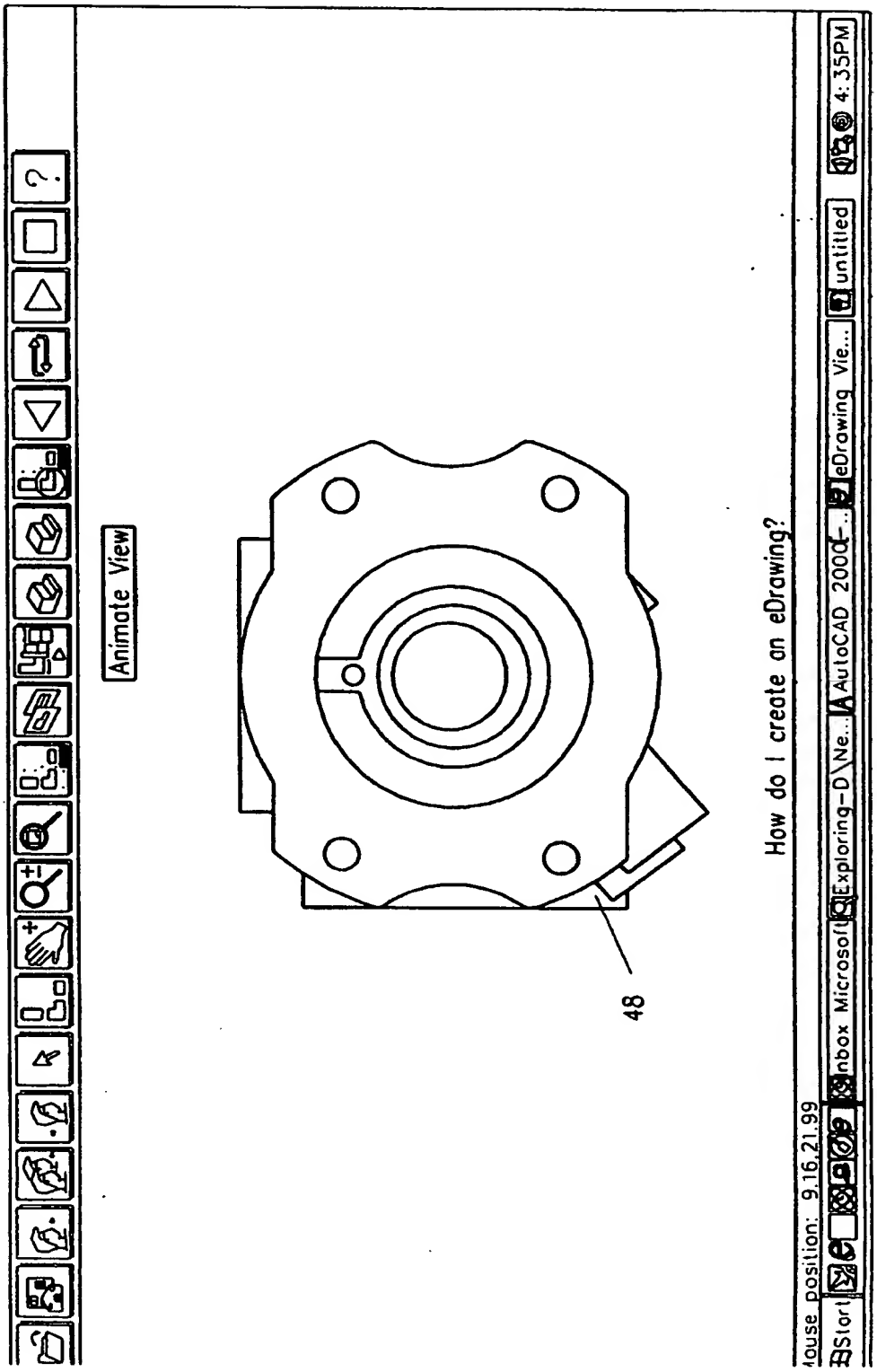
Animate View
48
How do I create an eDrawing?
Mouse position: 9.16,21.99
Start
Inbox Microsoft
Exploring-D:\Ne...
AutoCAD 2000
eDrawing Vie...
untitled
4:35PM

FIG. 13

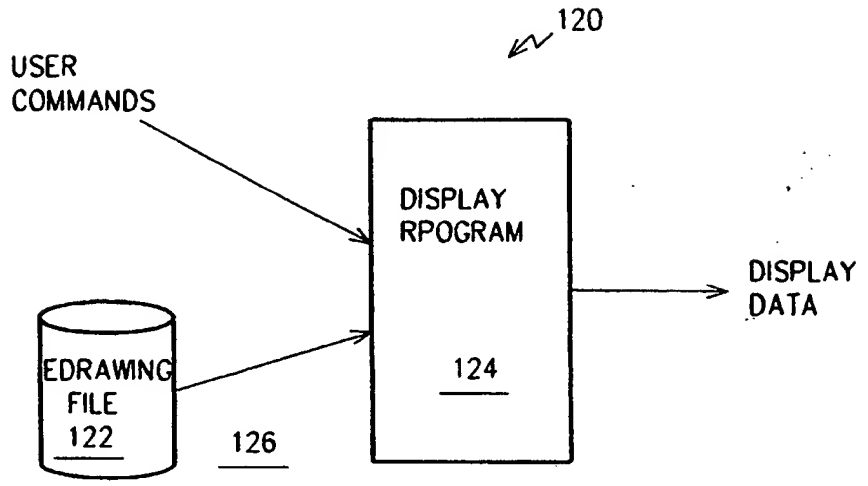
120
USER
COMMANDS
DISPLAY
RPOGRAM
DISPLAY
DATA
EDRAWING
FILE
122
126
124

FIG. 14

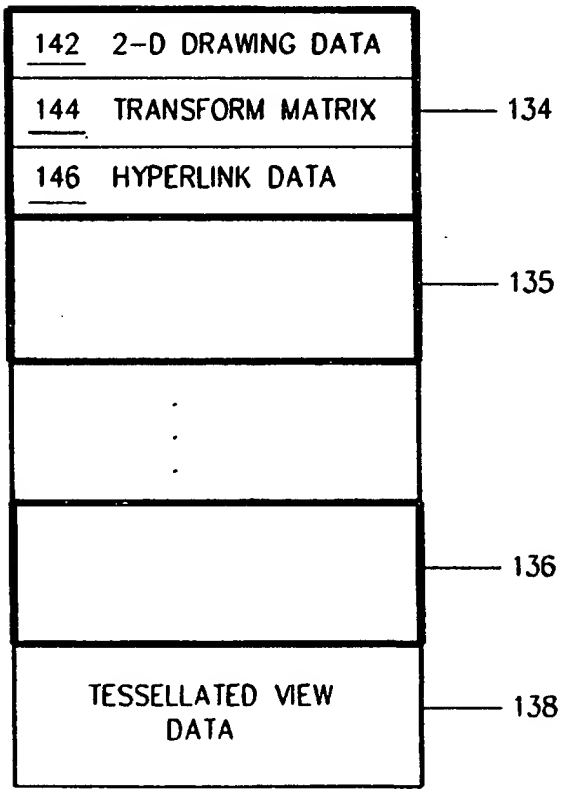
142 2-D DRAWING DATA
144 TRANSFORM MATRIX
146 HYPERLINK DATA
134
135
136
TESSELLATED VIEW
DATA
138

FIG. 15

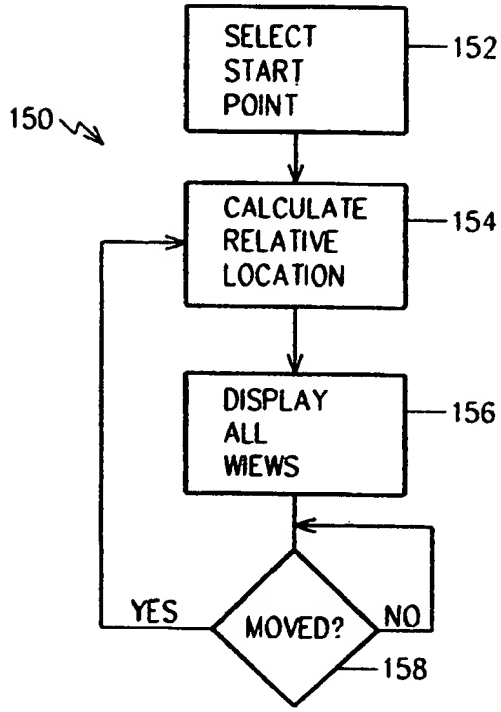
150
SELECT START POINT
152
CALCULATE RELATIVE LOCATION
154
DISPLAY ALL WIEWS
156
YES
MOVED?
NO
158

FIG. 16

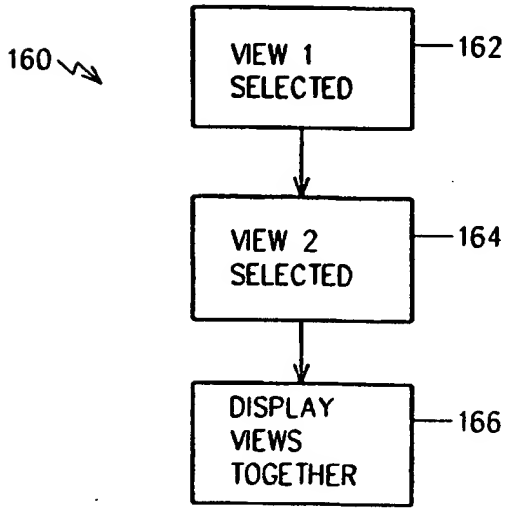
160
VIEW 1 SELECTED
162
VIEW 2 SELECTED
164
DISPLAY VIEWS TOGETHER
166

FIG. 17

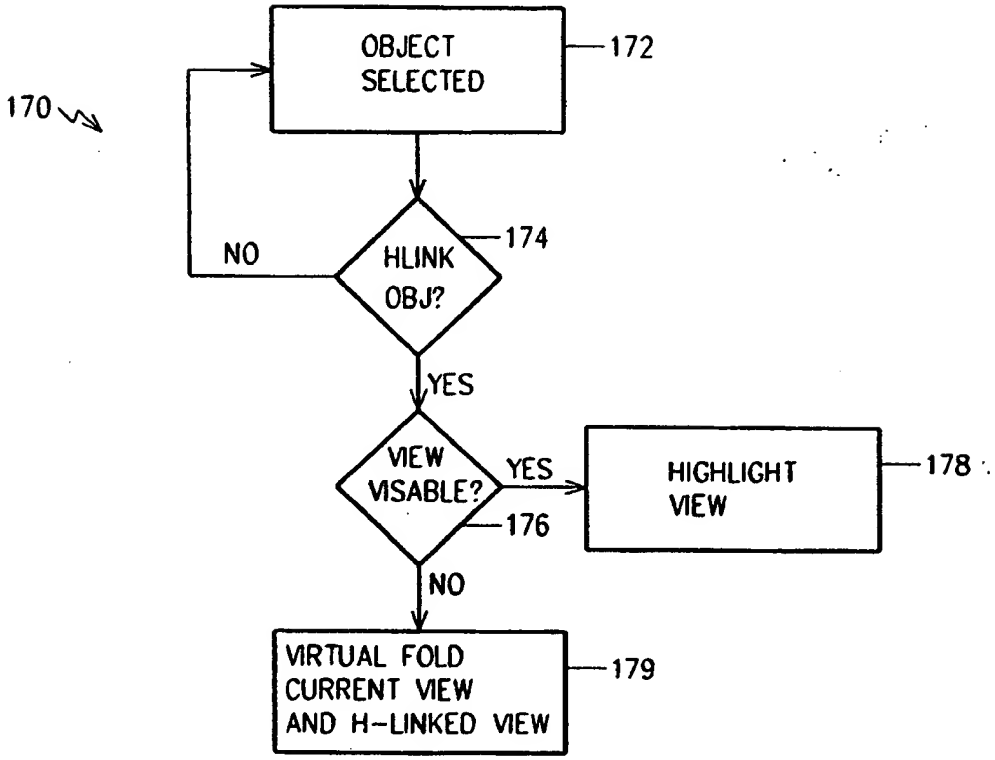
170
OBJECT SELECTED
172
HLINK OBJ?
174
NO
YES
VIEW VISABLE?
176
YES
HIGHLIGHT VIEW
178
NO
VIRTUAL FOLD CURRENT VIEW AND H-LINKED VIEW
179

FIG. 18

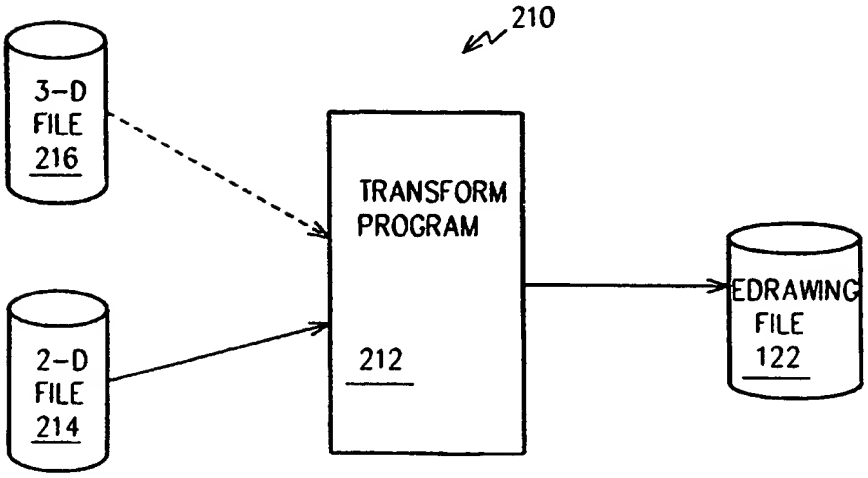
210
3-D FILE 216
2-D FILE 214
TRANSFORM PROGRAM
212
EDRAWING FILE 122

FIG. 20

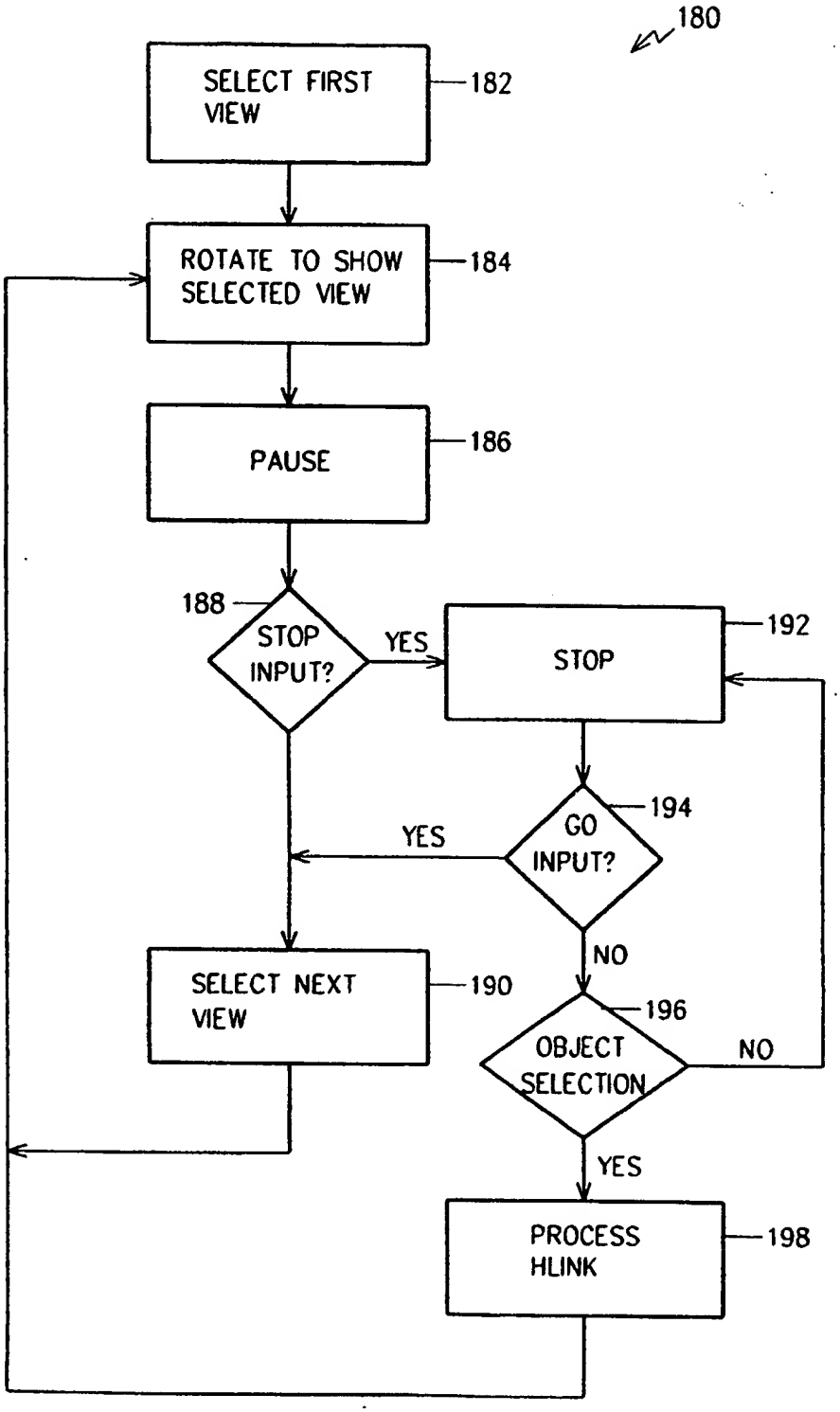
180
SELECT FIRST VIEW
182
ROTATE TO SHOW SELECTED VIEW
184
PAUSE
186
188
STOP INPUT?
YES
STOP
192
GO INPUT?
194
YES
NO
SELECT NEXT VIEW
190
OBJECT SELECTION
196
NO
YES
PROCESS HLINK
198

FIG. 19

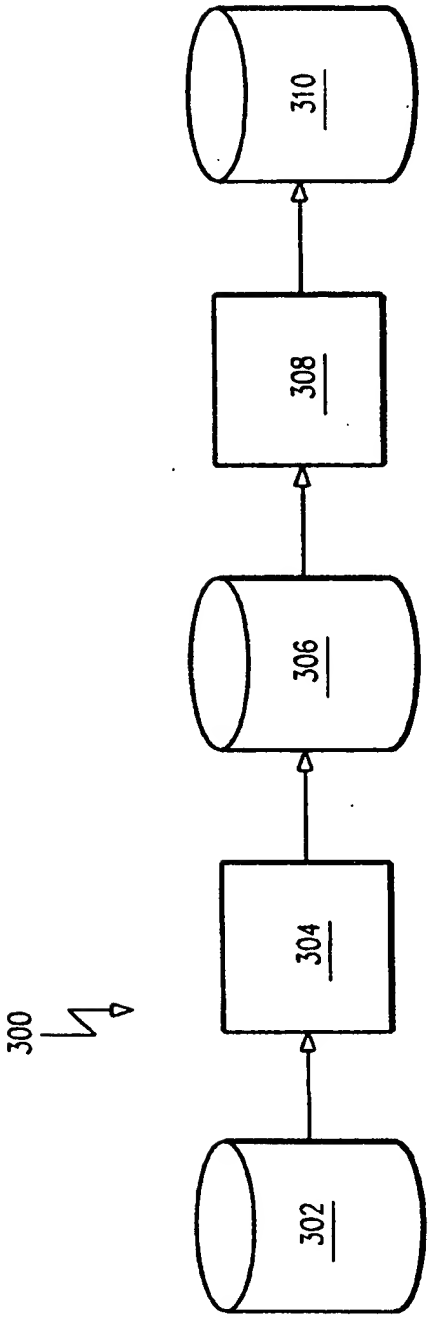

FIG. 21

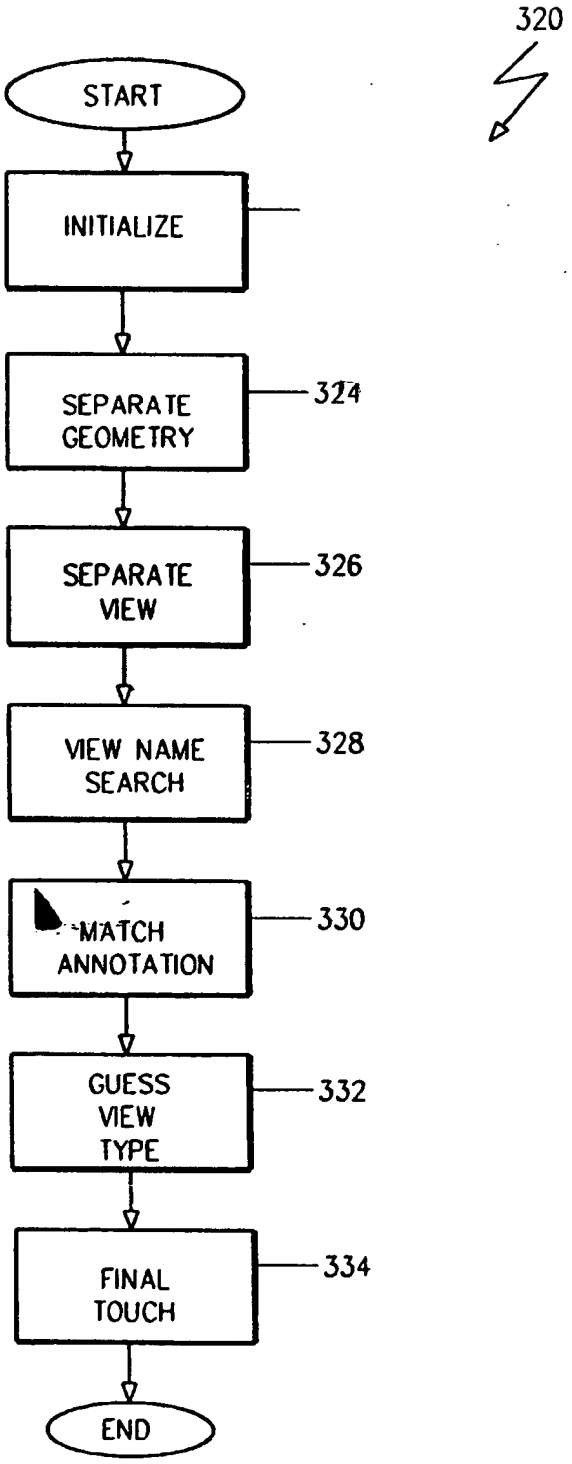
320
START
INITIALIZE
SEPARATE GEOMETRY
324
SEPARATE VIEW
326
VIEW NAME SEARCH
328
MATCH ANNOTATION
330
GUESS VIEW TYPE
332
FINAL TOUCH
334
END

FIG. 22

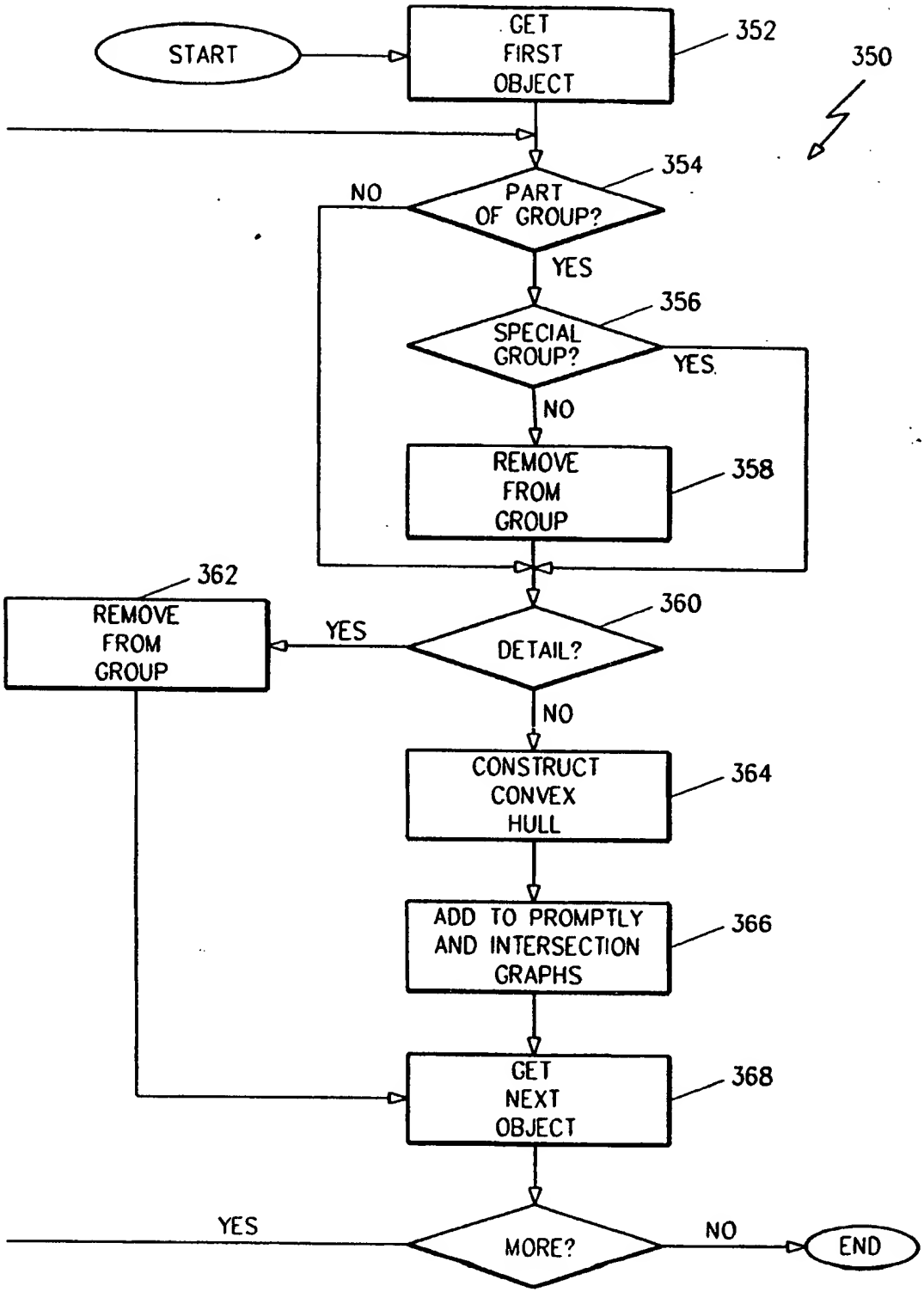
START
GET FIRST OBJECT
352
350
354
NO
PART OF GROUP?
YES
356
SPECIAL GROUP?
YES
NO
REMOVE FROM GROUP
358
362
REMOVE FROM GROUP
YES
360
DETAIL?
NO
CONSTRUCT CONVEX HULL
364
ADD TO PROMPTLY AND INTERSECTION GRAPHS
366
GET NEXT OBJECT
368
YES
MORE?
NO
END

FIG. 23

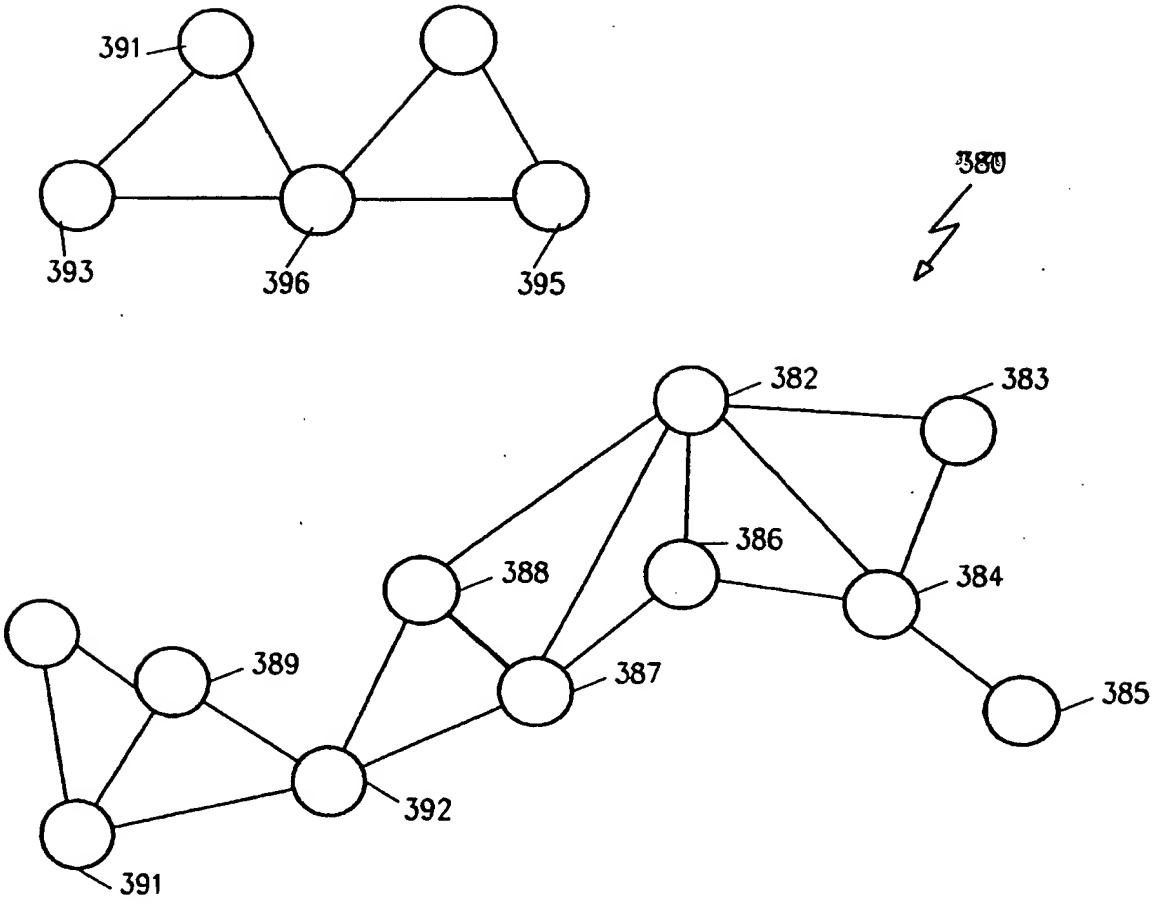

FIG. 24

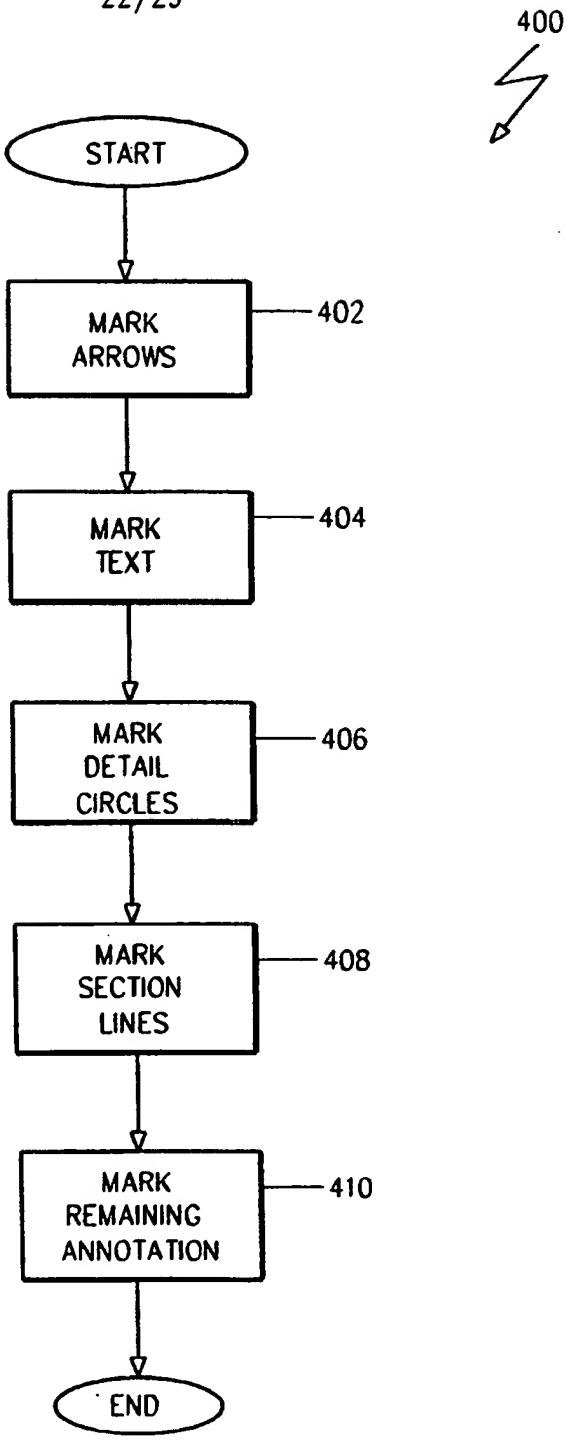
400
START
MARK ARROWS
402
MARK TEXT
404
MARK DETAIL CIRCLES
406
MARK SECTION LINES
408
MARK REMAINING ANNOTATION
410
END

FIG. 25

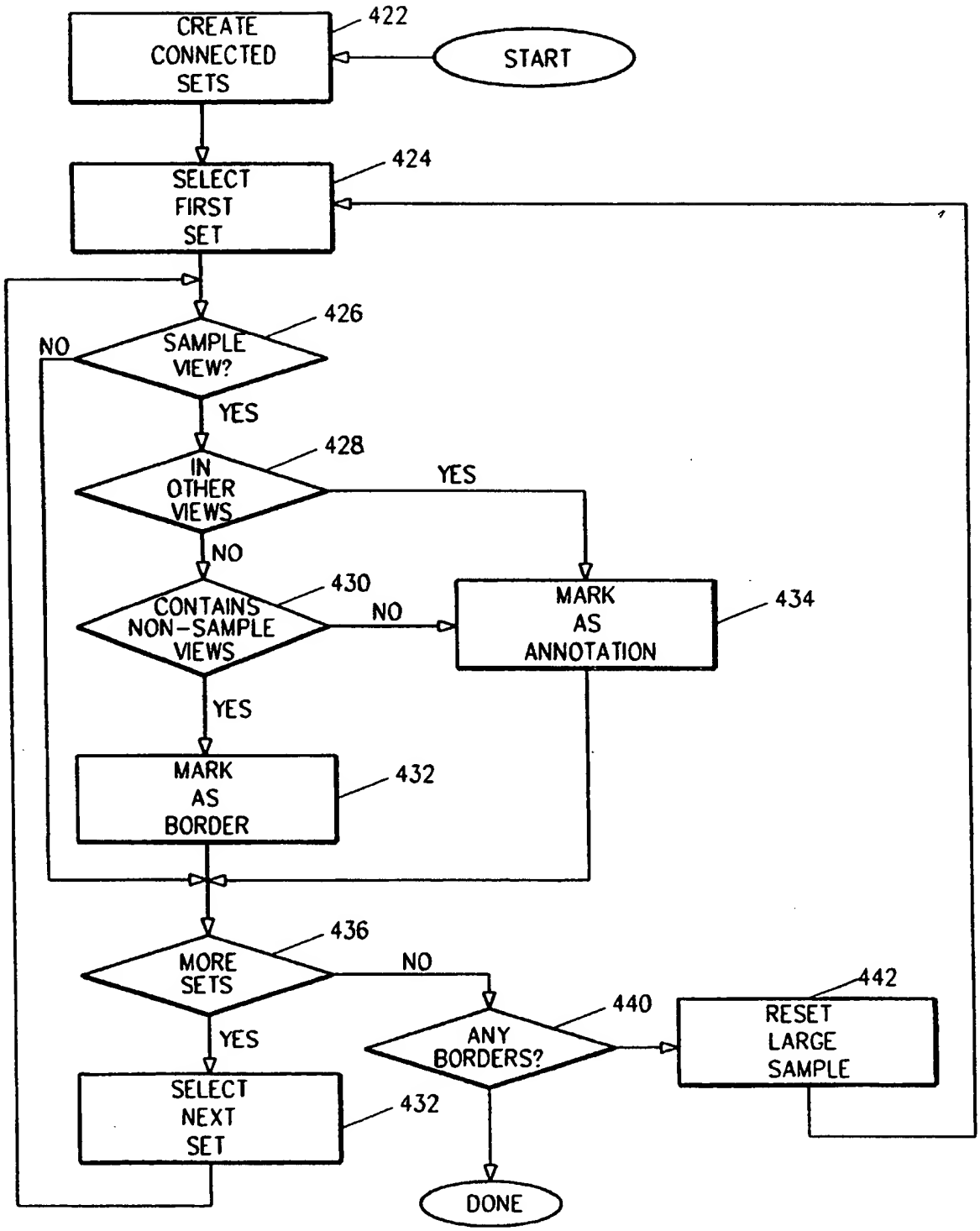
CREATE CONNECTED SETS
422
START
SELECT FIRST SET
424
SAMPLE VIEW?
426
NO
YES
IN OTHER VIEWS
428
YES
NO
CONTAINS NON-SAMPLE VIEWS
430
NO
MARK AS ANNOTATION
434
YES
MARK AS BORDER
432
MORE SETS
436
NO
YES
ANY BORDERS?
440
RESET LARGE SAMPLE
442
SELECT NEXT SET
432
DONE

FIG. 26

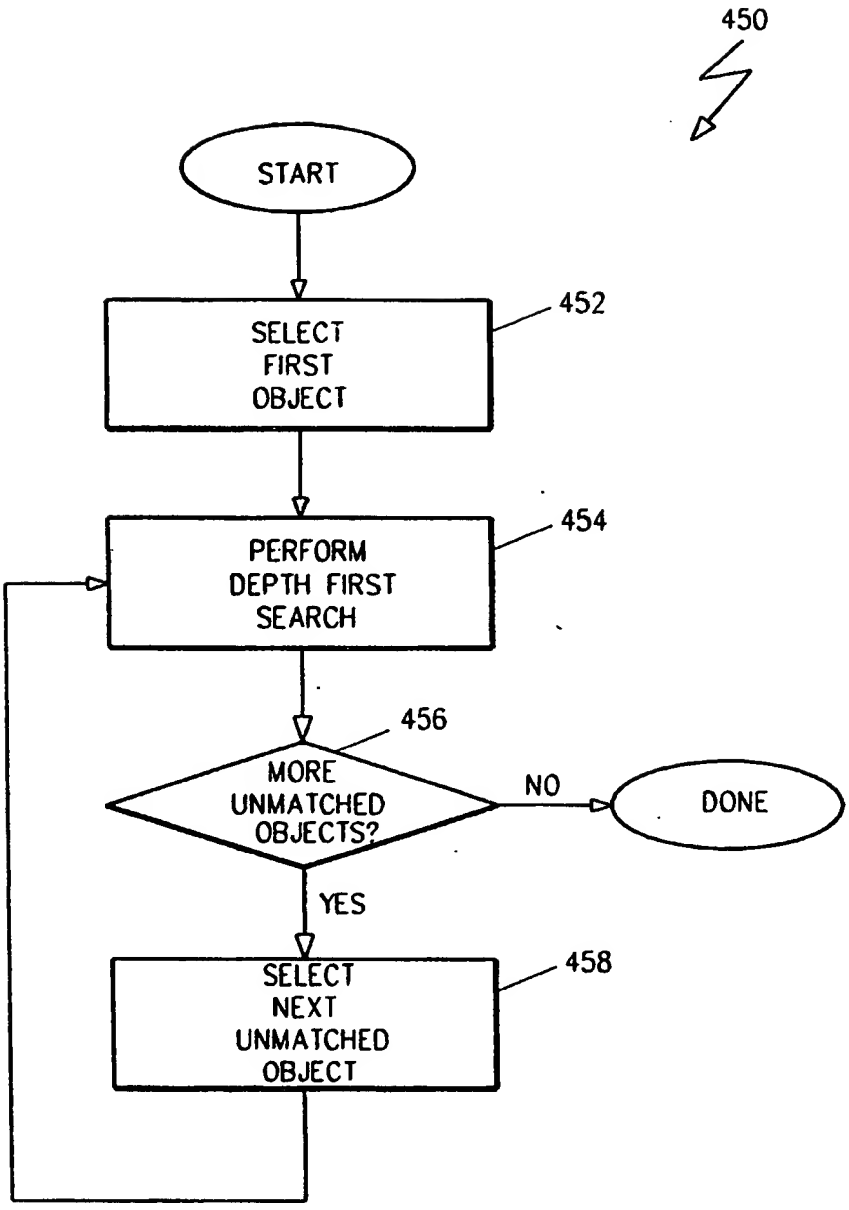
450
START
SELECT FIRST OBJECT
452
PERFORM DEPTH FIRST SEARCH
454
456
MORE UNMATCHED OBJECTS?
NO
DONE
YES
SELECT NEXT UNMATCHED OBJECT
458

FIG. 27

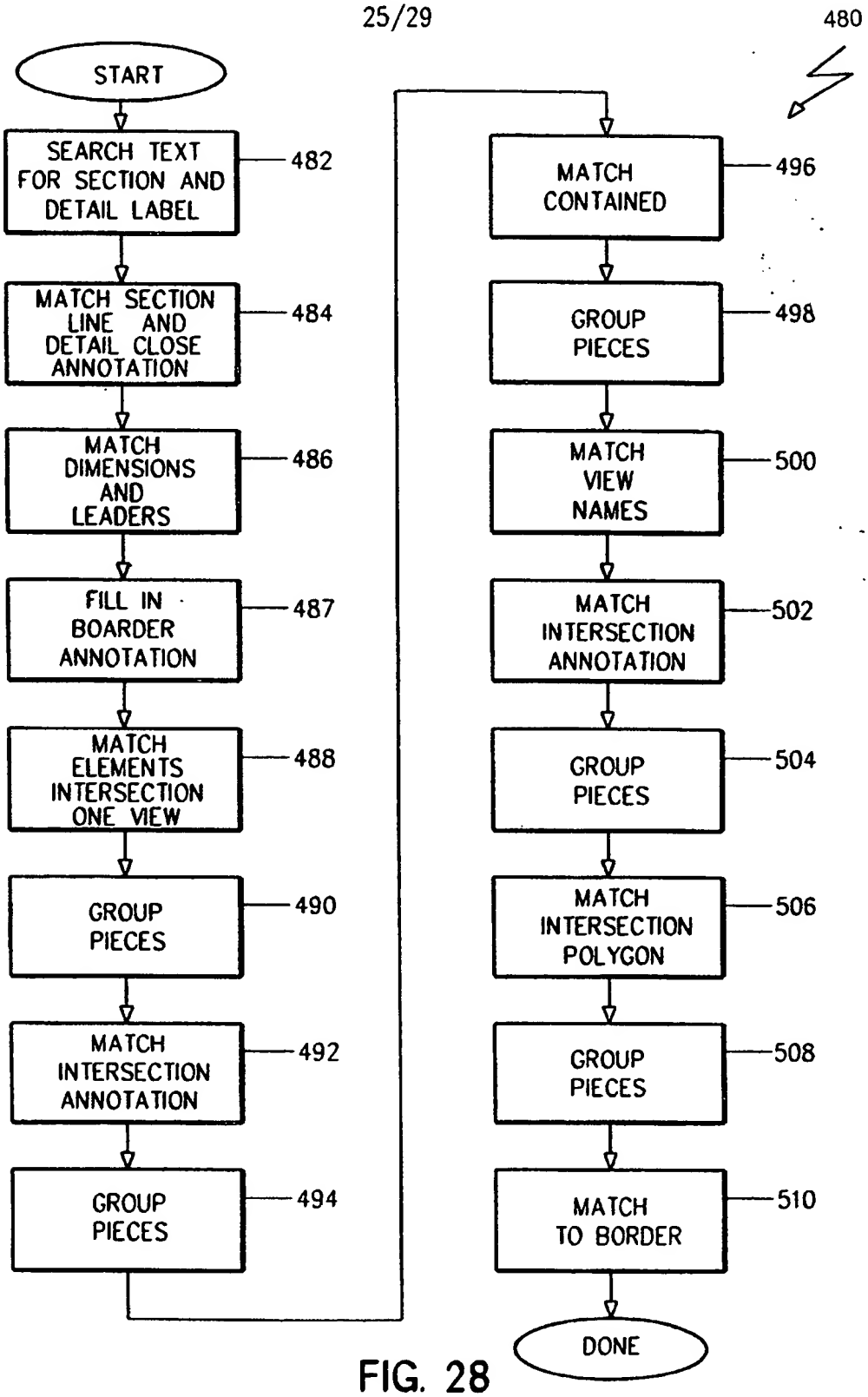
480
START
SEARCH TEXT FOR SECTION AND DETAIL LABEL
482
MATCH SECTION LINE AND DETAIL CLOSE ANNOTATION
484
MATCH DIMENSIONS AND LEADERS
486
FILL IN BOARDER ANNOTATION
487
MATCH ELEMENTS INTERSECTION ONE VIEW
488
GROUP PIECES
490
MATCH INTERSECTION ANNOTATION
492
GROUP PIECES
494
MATCH CONTAINED
496
GROUP PIECES
498
MATCH VIEW NAMES
500
MATCH INTERSECTION ANNOTATION
502
GROUP PIECES
504
MATCH INTERSECTION POLYGON
506
GROUP PIECES
508
MATCH TO BORDER
510
DONE

FIG. 28

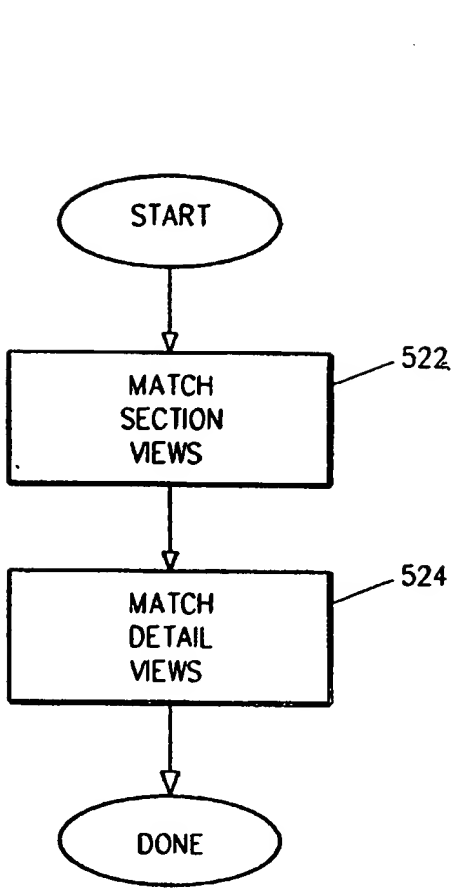
520
START
MATCH SECTION VIEWS
522
MATCH DETAIL VIEWS
524
DONE

FIG. 29

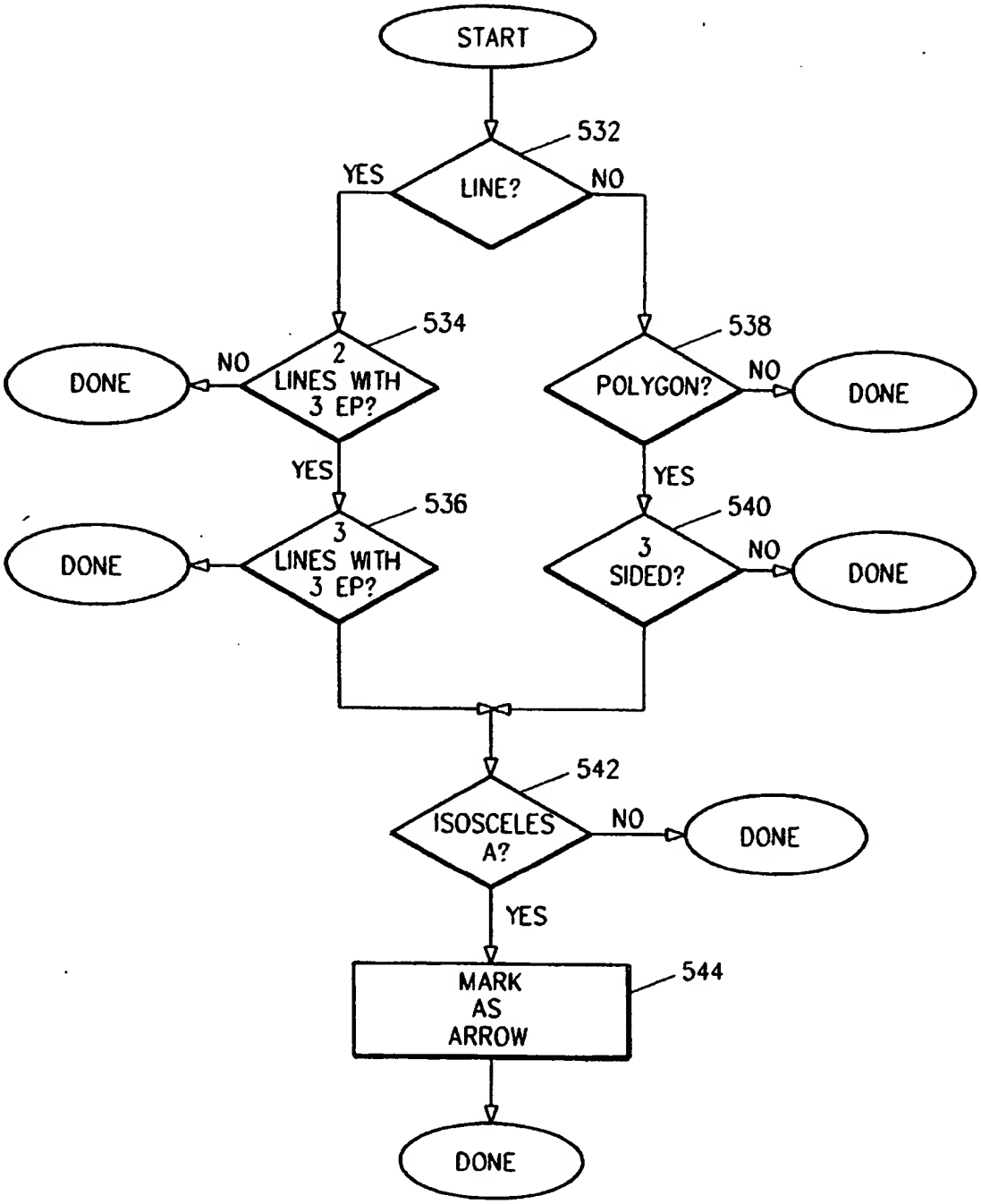
START
532
LINE?
YES
NO
534
2 LINES WITH 3 EP?
NO
DONE
YES
536
3 LINES WITH 3 EP?
DONE
538
POLYGON?
NO
DONE
YES
540
3 SIDED?
NO
DONE
542
ISOSCELES A?
NO
DONE
YES
MARK AS ARROW
544
DONE

FIG. 30

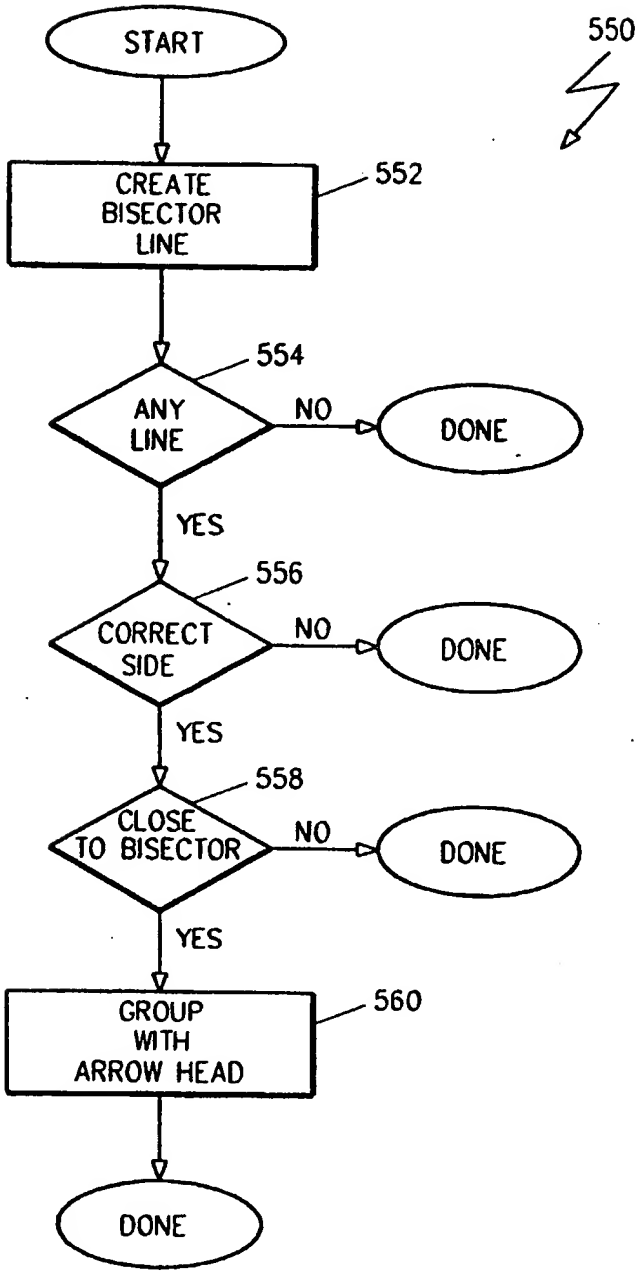
START
550
CREATE BISECTOR LINE
552
554
ANY LINE
NO
DONE
YES
556
CORRECT SIDE
NO
DONE
YES
558
CLOSE TO BISECTOR
NO
DONE
YES
GROUP WITH ARROW HEAD
560
DONE

FIG. 31

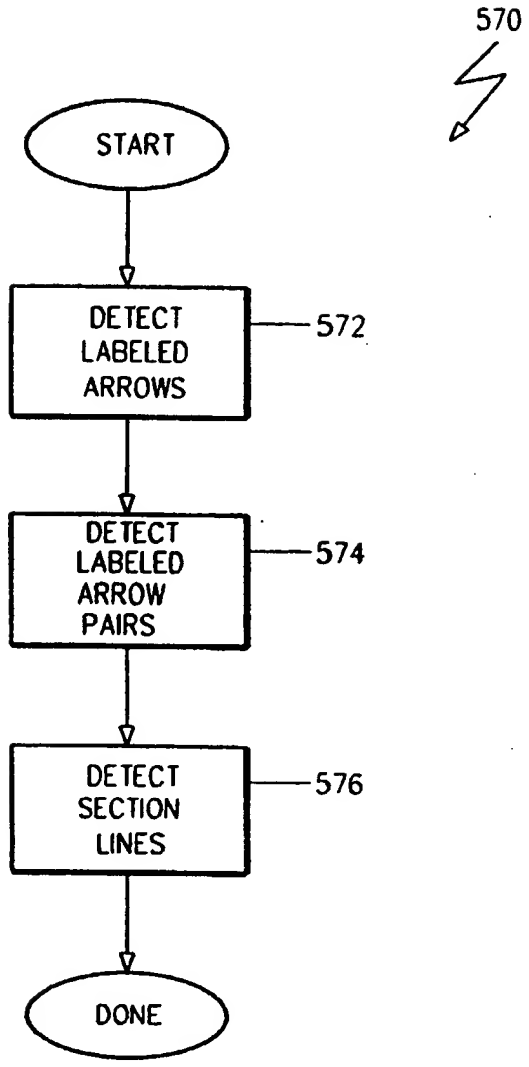
570
START
DETECT LABELED ARROWS
572
DETECT LABELED ARROW PAIRS
574
DETECT SECTION LINES
576
DONE

FIG. 32